

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1-8. (Cancelled)

9. (Currently amended) A sonde for detecting at least one downhole

condition, comprising:

an outer housing;

~~a sensor operably associated with the housing for detection of at least one borehole condition~~ an electrical device operably associated with the housing;

a side entry leak protector connector assembly retained within the housing and comprising:

a generally cylindrical body with a pair of axial ends;

a conductive element retained within the body, interconnected with the electrical device and extending through at least one of said axial ends; and

glass-sealing encasing said conductive element within the body to electrically isolate the conductive element.

10. (Previously presented) The sonde of claim 9 further comprising an electrical pin connector associated with said conductive element, for electrically connecting the conductive element with an external conductor.

11. (Previously presented) The sonde of claim 9 further comprising a circumferential channel surrounding the body for capturing fluid therewithin.
12. (Previously presented) The sonde of claim 11 further comprising a pair of o-ring seals disposed upon the body to preclude escape of fluid from the channel.
13. (Previously presented) The sonde of claim 9 wherein the outer housing defines two interior chambers for housing electronic components and an axial passage that interconnects the two chambers and wherein the side entry leak protector connector assembly is retained within the axial passage.
14. (Previously presented) The sonde of claim 13 wherein the housing defines a lateral passage from the axial passage to an exterior radial surface of the housing.
15. (Previously presented) The sonde of claim 11 wherein a sensor element is disposed within the channel.
16. (Previously presented) The sonde of claim 13 wherein the axial passage is defined off-center from a central axis of the sonde housing.
17. (Currently amended) A method of providing fluid sealing and electrical connections within a sonde having an interior chamber within comprising the steps of:

~~providing a sonde housing that defines therein an interior chamber for retaining an a first electronic component within the interior chamber and an axial passage therewithin;~~

~~providing a lateral passage from the axial passage to a radially exterior surface of the sonde housing;~~

~~associating a sensorsecond electronic component with an exterior of the sonde the lateral passage; and~~

~~disposing connecting the first and second electronic components through a side entry leak protector connector assembly within the axial passage to provide a fluid seal between the lateral passage and the axial passage.~~

18. (Previously presented) The method of claim 17 further comprising the step of establishing an electrical connection between the sensor component and the side entry leak protector connector assembly.

19. (Previously presented) The method of claim 18 further comprising the step of establishing an electrical connection between the side entry leak protector connector assembly and an electronic component housed within the interior chamber.

20. (Previously presented) The method of claim 17 further comprising the step of providing a circumferential channel about the body of the side entry leak protector connector assembly for capturing of fluid.

21. (Added) The method of claim 17 wherein the second electronic component comprises a sensor.

22. (Added) A side entry leak protector connector assembly comprising:
a generally cylindrical body having two axial ends and a radial outer surface;
a conductive element that is electrically isolated and sealed within the body, the conductive element providing a first electrical interconnection at the radial outer surface and a second electrical connection at an axial end.

23. (Added) The side entry leak protector connector assembly of claim 22 wherein the body includes a circumferential channel.

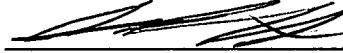
24. (Added) The side entry leak protector connector assembly of claim 22 wherein the body further defines an axial passage through which additional wiring may be disposed.

25. (Added) The side entry leak protector connector assembly of claim 22 wherein the conductive element is electrically isolated and sealed within the body by glass-sealing.

26. (Added) The side entry leak protector connector assembly of claim 22 further comprising a sensor disposed upon the radial outer surface of the body and in electrical connection with the first electrical interconnection.
27. (Added) The side entry leak protector connector assembly of claim 22 further comprising an o-ring seal upon the outer radial surface of the body.

Respectfully submitted,

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